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TI **Fly ash**-, aluminous additive-, and alkali metal silicate-containing high-strength inorganic hydraulic compositions
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PA Sekisui Chemical Co. Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
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CC 58-1 (Cement, Concrete, and Related Building Materials)
FAN.CNT 1

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AB The compns. comprise inorg. powder comprising 0.5-80 wt.% aluminous additive selected from aluminous **cement**, .gamma.-Al2O3, flame-injected Al2O3 and/or Na metaaluminate and 20-99.5 wt.% ground **fly ash** (av. particle size .ltoreq.5.0 .mu.m) 100, alkali metal silicate 3-200, and water 3-200 wt. parts. A compn. prepd. from **fly ash** ground by a jet mill to av. particle size 2.8 .mu.m 90, aluminous **cement** 10, sand 200, poly(vinyl alc.) fibers 1, and aq. K2O.cntdot.1.4SiO2 soln. (concn. 45 wt.%) 90 wt. parts was molded, and heated at 90.degree. for 12 h to give hardened products having bending strength 200 kg/cm2.
ST **fly ash alumina** hydraulicity compn; alkali metal silicate **fly ash**
IT Mortar
(alkali metal silicate-, aluminous additive-, and **fly ash**-contg. high-strength inorg. hydraulic compns.)
IT **Cement**
(aluminous, alkali metal silicate-, aluminous add